

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021277.D
 Acq On : 21 Feb 2025 11:43
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Quant Time: Feb 21 23:05:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.719	168	142077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	225088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	194706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	99790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	71680	49.241	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.480%		
35) Dibromofluoromethane	7.646	113	67848	47.035	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.060%		
50) Toluene-d8	10.115	98	254568	46.355	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.700%		
62) 4-Bromofluorobenzene	12.414	95	87361	48.693	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	34744	27.437	ug/l	97
3) Chloromethane	2.074	50	36895	29.526	ug/l	97
4) Vinyl Chloride	2.214	62	35436	28.175	ug/l	96
5) Bromomethane	2.604	94	19911	25.614	ug/l	98
6) Chloroethane	2.745	64	20895	27.909	ug/l	96
7) Trichlorofluoromethane	3.068	101	54515	23.792	ug/l	100
8) Diethyl Ether	3.470	74	16457	23.007	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.830	101	32739	22.766	ug/l	95
10) Methyl Iodide	4.019	142	33721	21.106	ug/l	93
11) Tert butyl alcohol	4.909	59	11124	112.767	ug/l #	75
12) 1,1-Dichloroethene	3.799	96	30615	22.599	ug/l	86
13) Acrolein	3.665	56	12791	84.205	ug/l	96
14) Allyl chloride	4.397	41	53151	23.280	ug/l	94
15) Acrylonitrile	5.086	53	35896	120.510	ug/l	99
16) Acetone	3.897	43	26461	116.562	ug/l	97
17) Carbon Disulfide	4.122	76	100186	23.585	ug/l	99
18) Methyl Acetate	4.409	43	18736	23.511	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	76143	22.238	ug/l	100
20) Methylene Chloride	4.634	84	35107	24.877	ug/l	89
21) trans-1,2-Dichloroethene	5.134	96	33759	22.639	ug/l	90
22) Diisopropyl ether	6.037	45	111301	23.651	ug/l	97
23) Vinyl Acetate	5.976	43	319737	121.879	ug/l	97
24) 1,1-Dichloroethane	5.927	63	62579	22.697	ug/l	99
25) 2-Butanone	6.908	43	45145	121.018	ug/l	96
26) 2,2-Dichloropropane	6.902	77	56177	22.020	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	38161	22.234	ug/l	92
28) Bromochloromethane	7.256	49	23922	21.942	ug/l	91
29) Tetrahydrofuran	7.280	42	30834	122.151	ug/l	92
30) Chloroform	7.433	83	63933	22.575	ug/l	99
31) Cyclohexane	7.713	56	56614	22.802	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	60049	22.806	ug/l	98
36) 1,1-Dichloropropene	7.847	75	47738	22.343	ug/l	99
37) Ethyl Acetate	7.006	43	22324	23.817	ug/l	99
38) Carbon Tetrachloride	7.829	117	53797	21.549	ug/l	96
39) Methylcyclohexane	9.115	83	57935	22.168	ug/l	96
40) Benzene	8.091	78	139916	22.315	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	11894	21.934	ug/l	96
42) 1,2-Dichloroethane	8.170	62	39732	22.843	ug/l	96
43) Isopropyl Acetate	8.213	43	43155	23.171	ug/l #	84
44) Trichloroethene	8.871	130	34619	21.370	ug/l	90
45) 1,2-Dichloropropane	9.152	63	33754	22.681	ug/l	100
46) Dibromomethane	9.237	93	18420	22.354	ug/l	97
47) Bromodichloromethane	9.432	83	47920	21.684	ug/l	96
48) Methyl methacrylate	9.231	41	19365	22.826	ug/l	93
49) 1,4-Dioxane	9.249	88	3454	450.275	ug/l	98
51) 4-Methyl-2-Pentanone	10.005	43	111716	119.282	ug/l	95
52) Toluene	10.176	92	86849	22.059	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	43528	21.936	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	50785	21.615	ug/l #	90
55) 1,1,2-Trichloroethane	10.579	97	23291	21.828	ug/l	99
56) Ethyl methacrylate	10.450	69	31208	21.863	ug/l #	86
57) 1,3-Dichloropropane	10.725	76	41091	22.249	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	66439	97.833	ug/l	99
59) 2-Hexanone	10.767	43	71893	119.221	ug/l	93
60) Dibromochloromethane	10.920	129	31988	21.347	ug/l	97
61) 1,2-Dibromoethane	11.024	107	22061	22.073	ug/l	98
64) Tetrachloroethene	10.658	164	30712	21.248	ug/l	94
65) Chlorobenzene	11.450	112	91911	21.200	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	32642	21.186	ug/l	97
67) Ethyl Benzene	11.530	91	164390	21.438	ug/l	100
68) m/p-Xylenes	11.639	106	123398	43.015	ug/l	97
69) o-Xylene	11.962	106	56634	21.175	ug/l	97
70) Styrene	11.975	104	96585	21.667	ug/l	98
71) Bromoform	12.139	173	18840	21.969	ug/l #	100
73) Isopropylbenzene	12.261	105	155520	19.951	ug/l	100
74) N-amyl acetate	12.078	43	36176	21.227	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	27554	21.254	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	17512m	19.346	ug/l	
77) Bromobenzene	12.542	156	35353	19.653	ug/l	96
78) n-propylbenzene	12.603	91	190748	20.542	ug/l	100
79) 2-Chlorotoluene	12.688	91	107600	20.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	128095	20.268	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	9050	20.400	ug/l	96
82) 4-Chlorotoluene	12.785	91	109802	20.264	ug/l	99
83) tert-Butylbenzene	13.005	119	112082	19.511	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	126991	20.551	ug/l	100
85) sec-Butylbenzene	13.182	105	167172	20.216	ug/l	98
86) p-Isopropyltoluene	13.298	119	137051	19.952	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	70365	20.259	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	69289	20.261	ug/l	97
89) n-Butylbenzene	13.627	91	127507	20.348	ug/l	99
90) Hexachloroethane	13.889	117	28118	19.622	ug/l	88
91) 1,2-Dichlorobenzene	13.669	146	62345	20.681	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4277	22.077	ug/l	92
93) 1,2,4-Trichlorobenzene	14.931	180	33174	19.770	ug/l	99
94) Hexachlorobutadiene	15.035	225	21668	19.486	ug/l	98
95) Naphthalene	15.151	128	55046	20.504	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	28910	20.702	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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